

ABSTRACT

Methods and systems consistent with the present invention provide a Supernet, a private network constructed out of components from a public-network infrastructure. The Supernet provides flexible and dynamic mobility support. When a destination node moves to a new location, it automatically updates the sending nodes with its new IP address. The destination node can choose among a number of ways to update the sending nodes, providing flexibility not found in conventional networks. Thus, a node can change locations repeatedly and continue to communicate directly with other nodes without the use of a proxy or other middleman.

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